Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1-64. (Cancelled)

65. (Currently Amended) A method of transmission power control, comprising the steps of:

detecting oscillation in an uncompensated transmission power level corresponding to an established transmission power control command sequence; and,

compensating the established transmission power control command sequence for the oscillation in the uncompensated transmission power level, comprising the step of injecting [[of]] a compensating sequence ~~to, or blocking of one or more frequency components of,~~ into the established transmission power control command sequence.

66. (Cancelled).

67. (Currently Amended) The method according to claim [[66]] 65, wherein the compensating sequence is generated in a neural network.

68. (Previously Presented) The method according to claim 67, wherein the compensating sequence is generated by means of back-propagation.

69. (Currently Amended) The method according to claim [[66]] 65, wherein the compensating sequence is generated by concatenating one or more pre-defined sequences.

70. (Currently Amended) The method according to claim [[66]] 65, wherein the compensating sequence is generated by concatenating one or more pseudo-random sequences.

71. (Currently Amended) The method according to claim [[66]] 65, wherein the compensated transmission power control is achieved by adding modulo-2 of a compensating sequence to the established transmission power control command sequence.

72. (Previously Presented) The method according to claim 71, wherein the sequences' one or more components are either 0 or 1, or a multiple thereof.

73. (Currently Amended) The method according to claim [[66]] 65, wherein the compensated transmission power control is achieved by component-wise multiplication of a compensating sequence to the established transmission power control command sequence.

74. (Previously Presented) The method according to claim 73, wherein the sequences' one or more components are either +1 or -1, or a multiple thereof.

75. (Previously Presented) The method according to claim 65, wherein the step of compensating comprises blocking of one or more frequency components of the established transmission power control command sequence thereby forming a compensated transmission power control command sequence.

76. (Previously Presented) The method according to claim 75, wherein the blocking is achieved by means of filtering.

77. (Previously Presented) The method according to claim 76, wherein one or more transmission power control command components representing one or more frequencies greater than the oscillation frequency of the oscillations in the corresponding transmission power level are filtered out, entirely or partially if power of frequency components above the oscillation frequency are greater than power of

frequency components below, and that one or more transmission power control command components representing one or more frequencies essentially equal to the oscillation frequency are filtered out essentially entirely.

78. (Previously Presented) The method according to claim 76, wherein one or more transmission power control command components representing one or more frequencies essentially equal to the oscillation frequency of the oscillations in the corresponding transmission power level are filtered out, essentially entirely, if power of frequency components below the oscillation frequency are greater than power of frequency components above.

79. (Previously Presented) The method according to claim 75, wherein the blocking is achieved by means of canceling frequency transform coefficients of a frequency transformed signal.

80. (Previously Presented) The method according to claim 75, wherein one or more frequency components below a frequency threshold are blocked.

81. (Previously Presented) The method according to claim 80, wherein one or more frequency components of energy larger than energy of frequency content above the threshold are blocked.

82. (Previously Presented) The method according to claim 80, wherein the frequency threshold is set essentially equal to the oscillation frequency.

83. (Previously Presented) The method according to claim 65, wherein oscillation is detected by means of frequency analysis.

84. (Previously Presented) The method according to claim 65, wherein loop delay is estimated in relation to oscillation cycle time.

85. (Previously Presented) The method according to claim 84, wherein loop delay is estimated to be essentially equal to one fourth of the cycle time.

86. (Previously Presented) The method according to claim 65, wherein identified oscillation is compensated until the number of identical transmission power control commands of the established transmission power control command sequence exceeds a threshold.

87. (Previously Presented) The method according to claim 86, wherein the threshold corresponds to essentially four times the loop delay.

88. (Previously Presented) The method according to claim 65, wherein oscillations of one or more radio links, for which transmission power level and cell interference are correlated to a greater extent than indicated by a predefined threshold, are compensated for.

89. (Previously Presented) The method according to claim 65, wherein the oscillations are compensated at the receiver.

90. (Previously Presented) The method according to claim 89, wherein the receiver is a radio base station, or is included in or connected to a radio base station.

91. (Previously Presented) The method according to claim 89, wherein the receiver is a mobile station, or is included in or connected to a mobile station.

92. (Previously Presented) The method according to claim 65, wherein the oscillations are compensated at the transmitter.

93. (Previously Presented) The method according to claim 92, wherein the transmitter compensates received respective transmission power control commands of different mobile stations adjusted for its peak transmission power capacity.

94. (Previously Presented) The method according to claim 92, wherein the transmitter is a radio base station, or is included in or connected to a radio base station.

95. (Previously Presented) The method according to claim 92, wherein the transmitter is a mobile station, or is included in or connected to a mobile station.

96. (Currently Amended) An apparatus for transmission power control, comprising:

an oscillation detector; and,

oscillation compensating means for compensating for oscillations as detected in corresponding uncompensated commanded transmission power level of one or more established transmission power control command sequences, the compensating means injecting a compensating sequence ~~to, or blocking one or more frequency components of,~~ into the established transmission power control command sequence.

97. (Currently Amended) The ~~device~~ apparatus according to claim 96, wherein the compensating means comprises a processing element for performing component-wise algebraic operations on a compensating sequence and the established transmission power control command sequence to form a compensated transmission power control command sequence.

98. (Currently Amended) The ~~device~~ apparatus according to claim 97, further comprising a neural network for generating the compensating sequence.

99. (Currently Amended) The ~~device~~ apparatus according to claim 98, wherein the neural network comprises a back-propagation arrangement.

100. (Currently Amended) The ~~device~~ apparatus according to claim 97, further comprising means for concatenating one or more pre-defined sequences for generating the compensating sequence.

101. (Currently Amended) The ~~device~~ apparatus according to claim 97, further comprising a pseudo-random number generator generating the compensating sequence in whole or part.

102. (Currently Amended) The ~~device~~ apparatus according to claim 97, wherein the processing element performs component-wise algebraic operations being a modulo-2 adder, component-wise adding a compensating sequence to the established transmission power control command sequence.

103. (Currently Amended) The ~~device~~ apparatus according to claim 102, wherein the added sequences' one or more components are either 0 or 1, or a multiple thereof.

104. (Currently Amended) The ~~device~~ apparatus according to claim 97, wherein the processing element performs component-wise algebraic operations being a multiplier, component-wise multiplying a compensating sequence and the established transmission power control command sequence.

105. (Currently Amended) The ~~device~~ apparatus according to claim 104, wherein the sequences' one or more components are either +1 or -1, or a multiple thereof.

106. (Currently Amended) The ~~device~~ apparatus according to claim 96, wherein the compensating means comprises a processing element for blocking one or more frequency components of the established transmission power control command

sequence thereby forming a compensated transmission power control command sequence.

107. (Currently Amended) The device according to claim [[104]] 106, wherein the compensating means comprises a processing element for blocking one or more frequency components being a filter.

108. (Currently Amended) The ~~device~~ apparatus according to claim 107, wherein one or more transmission power control command components representing one or more frequencies greater than the oscillation frequency of the oscillations in the corresponding transmission power level are filtered out, entirely or partially if power of frequency components above the oscillation frequency are greater than power of frequency components below, and that one or more transmission power control command components representing one or more frequencies essentially equal to the oscillation frequency are filtered out essentially entirely.

109. (Currently Amended) The ~~device~~ apparatus according to claim 107, wherein one or more transmission power control command components representing one or more frequencies essentially equal to the oscillation frequency of the oscillations in the corresponding transmission power level are filtered out, essentially entirely, if power of frequency components below the oscillation frequency are greater than power of frequency components above.

110. (Currently Amended) The ~~device~~ apparatus according to claim 106, wherein the processing element comprises a frequency transformation entity and blocking is achieved by means of canceling frequency transform coefficients of a frequency transformed signal.

111. (Currently Amended) The ~~device~~ apparatus according to claim 106, wherein the processing element blocks as present one or more frequency components below a frequency threshold.

112. (Currently Amended) The ~~device~~ apparatus according to claim 111, wherein the processing element blocks as present one or more frequency components of energy larger than energy of frequency content above the threshold.

113. (Currently Amended) The ~~device~~ apparatus according to claim 111, wherein the frequency threshold is set equal to the oscillation frequency.

114. (Currently Amended) The ~~device~~ apparatus according to claim 96, wherein oscillation is detected by means of frequency analysis.

115. (Currently Amended) The ~~device~~ apparatus according to claim 96, wherein loop delay is estimated in relation to oscillation cycle time.

116. (Currently Amended) The ~~device~~ apparatus according to claim 115, wherein loop delay is estimated to be essentially equal to one fourth of the cycle time.

117. (Currently Amended) The ~~device~~ apparatus according to claim 96, wherein it compensates for an identified oscillation until number of identical transmission power control commands of the established transmission power control command sequence exceeds a threshold.

118. (Currently Amended) The ~~device~~ apparatus according to claim 117, wherein the threshold corresponds to essentially four times the loop delay.

119. (Currently Amended) The ~~device~~ apparatus according to claim 96, wherein oscillations of one or more radio links, for which transmission power level and

cell interference are correlated to a greater extent than indicated by a predefined threshold, are compensated for.